Instructions for use

FOR THE WAY IT'S MADE.®

Installation diagrams 4

Important safety information 6

Safeguarding the environment 7

Declaration of conformity 7

Before use 8

Using existing pots and pans 8

Recommended pan base diameters 8

Installation 8

Electrical connection 9

Instructions for use 10

Cleaning 14

Troubleshooting guide 14

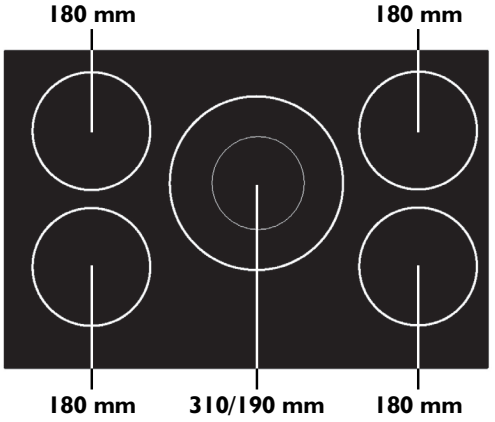
After-sales service 15

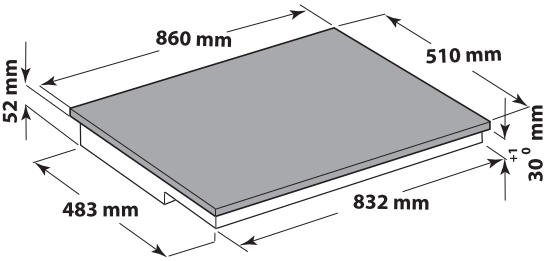
Power level table 16

Functions table 17

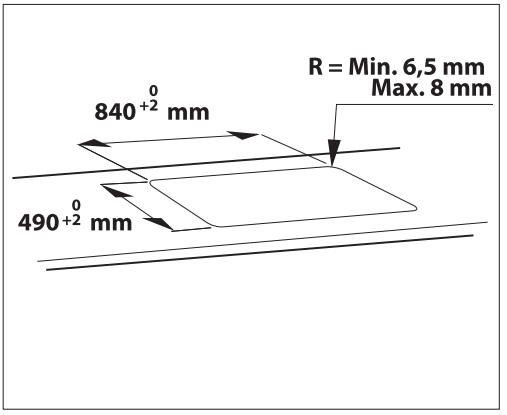
Cooking table 18

Installation diagrams

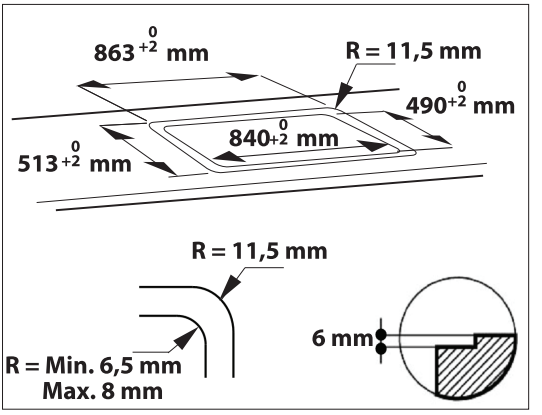


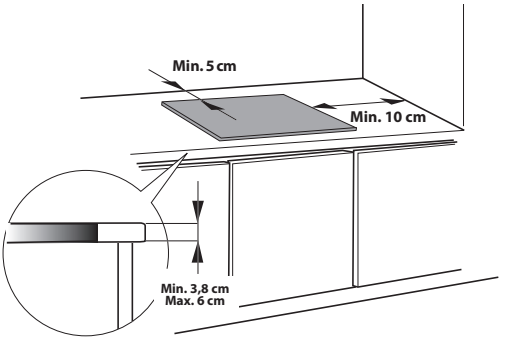


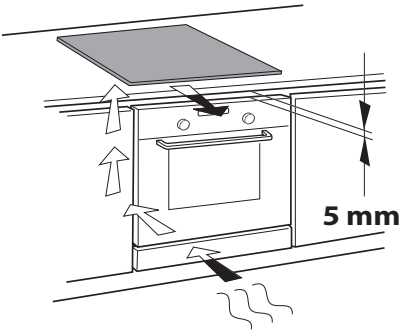
MODEL KHIS 9010



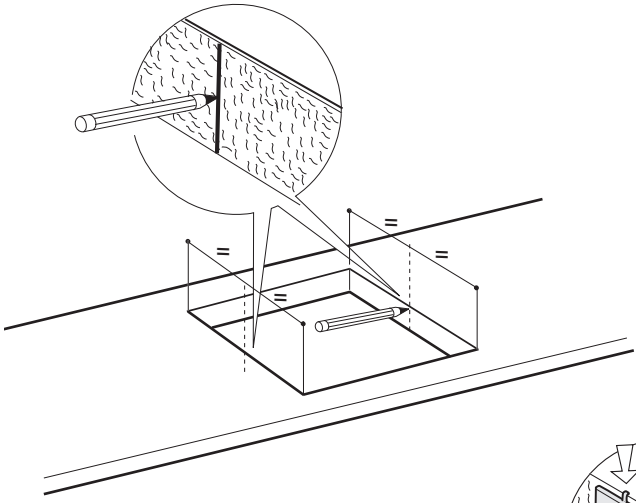
MODEL KHIF 9010

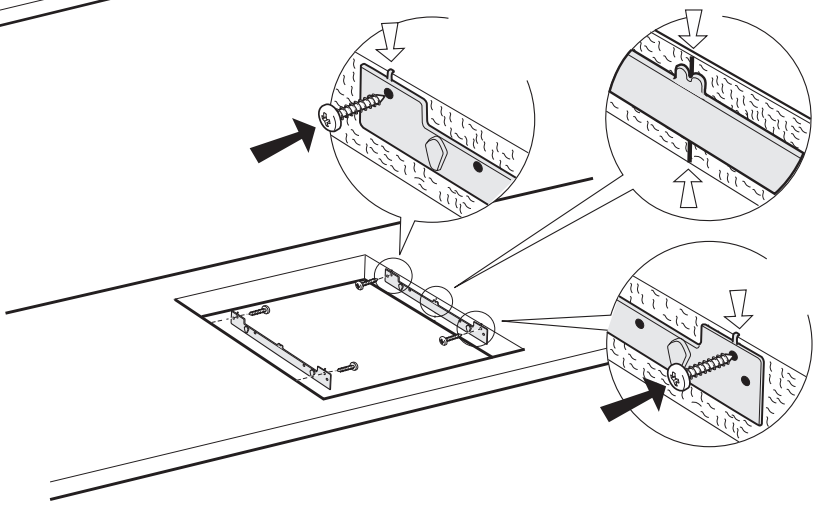


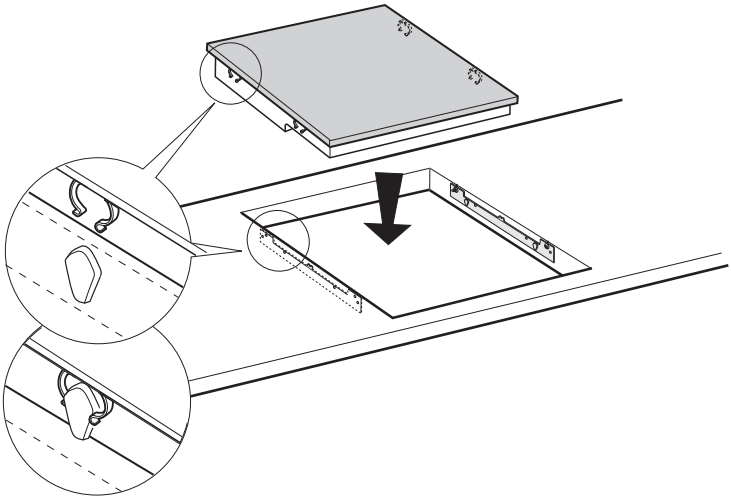




Installation diagrams







Important safety information

YOUR SAFETY AND THE SAFETY OF OTHERS ARE VERY IMPORTANT

This manual and the appliance itself provide important safety messages, to be read and observed at all times.

⚠ This is the safety alert symbol, pertaining to safety, which alerts users to potential hazards to themselves and others.
All safety messages will follow the safety alert symbol and either the terms:

⚠ **HAZARD**
Indicates a hazardous situation which, if not avoided, will cause serious injury.

⚠ **WARNING**
Indicates a hazardous situation which, if not avoided, could cause serious injury.

All safety messages tell you what the potential hazard is, how to reduce the risk of injury, damages and electrical shocks resulting from the incorrect use of the appliance. Please observe the following instructions:

- The appliance must be disconnected from the power supply before carrying out any installation work.
- Ensure that the installation and maintenance are performed by a qualified technician, following the manufacturer's instructions and in compliance with current local safety regulations. Do not repair or replace any part of the appliance unless specifically stated in the user manual.
- Regulations require that the appliance is earthed.
- The power cable must be long enough for connecting the appliance, once fitted in its housing, to the power supply.
- Observance of safety directives requires that a multi-pole switch with a minimum contact gap of 3 mm be used for the installation.
- Do not use multiple plug adapters or extension leads.
- Do not pull the power cable to disconnect it from the electrical supply.
- The electrical components must not be accessible to the user after installation.
- Do not touch the appliance with wet parts of the body or use it when barefoot.
- The appliance is designed solely for household use for cooking food. No other type of use is allowed (e.g. heating the room). The Manufacturer declines all responsibility for inappropriate use or incorrect setting of the controls.
- The appliance is not intended for use by people (children included) with physical, sensory or mental impairment or without experience and knowledge of the appliance, unless supervised or previously instructed in its use by those responsible for their safety.
- Accessible parts become very hot when the appliance is in operation. Keep children away from the appliance and supervise them to ensure that they do not play with it.
- Do not touch the heating elements of the appliance during and after use to avoid the risk of burns. Do not allow cloths or other flammable material to come into contact with the appliance until all parts have cooled down completely.
- Use oven gloves to remove pans and accessories, taking care not to touch the heating elements.
- Do not place flammable material on or near the appliance: A fire may break out if the appliance is inadvertently switched on.
- Overheated oils and fats catch fire easily. Never leave the appliance unattended when cooking with fat and oil.
- This appliance complies with current safety regulation and electromagnetic compatibility regulations. Nevertheless, people with a pacemaker should not use this appliance. It is impossible to guarantee that all such devices found on the market comply with current safety regulations and electromagnetic compatibility regulations, and that dangerous interferences will not occur. It is also possible that people with other types of device, such as a hearing aid, could experience some discomfort.
- Do not place metal objects, such as kitchen utensils (knives, forks, spoons, lids, etc.), on the cooking zone as they can become very hot.
- Insert a separator panel (not supplied) in the compartment beneath the appliance.
- If the surface of the hob should become damaged (cracked or broken glass), do not use the appliance and call the After-sales Service immediately.
- The appliance is not intended to be operated by means of an external timer or separate remote control system.

Important safety information

Disposal of household appliances

- This product is built from recyclable or reusable materials. Disposal must be carried out in accordance with local regulations for waste disposal. Before disposing of it, cut its power cable off in order to render it inoperative.
- For further information on the treatment, recovery and recycling of household appliances, contact the relevant local authority, the domestic waste collection service or the shop where you purchased the product.

Safeguarding the environment

Disposal of packaging materials

The packaging material is entirely recyclable and marked with the recycling symbol (♺). Do not dispose of the various packaging materials carelessly, but do so responsibly and in full compliance with local authority regulations governing waste disposal.

Scrapping

This appliance is marked in compliance with European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).
By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health.

The symbol on the appliance or accompanying documentation indicates that this product should not be disposed of as unsorted municipal waste but must be taken to a collection point for the treatment of WEEE.

Energy saving

For optimum results, observe the following advice:

- Use pots and pans whose bottom diameter is equal to that of the cooking zone.
- Only use flat-bottomed pots and pans.
- If possible, keep pot lids on when cooking (except for use in "SENSOR" mode).
- Cook vegetables, potatoes, etc. with little water in order to reduce cooking time.
- Use a pressure cooker to save even more energy and time (do not use in "SENSOR" mode).
- Make sure you place the pot or pan in the centre of the cooking zone outlined on the hob.

Declaration of conformity

- This appliance is designed to come into contact with food and complies with Regulation (CE) no. 1935/2004, and has been designed, constructed and marketed in compliance with the safety requirements of "Low Voltage" Directive 2006/95/EC (replacing 73/23/EEC as amended) and protection requirements of "EMC" Directive 2004/108/EC.

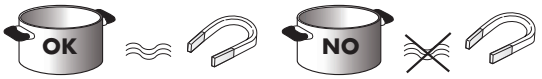
Before use

IMPORTANT: the cooking zones will not switch on if pots and pans are not of the correct dimensions. Only use pots bearing the symbol "INDUCTION SYSTEM" (See figure opposite). Before switching the hob on, position the pot on the desired cooking zone.

Using existing pots and pans

Use a magnet to check whether pots or pans are suitable for use on the induction hob: pots are unsuitable if they cannot be magnetically detected.

- Ensure pots have a smooth bottom, otherwise they may scratch the hob's glass ceramic surface. Check dishes.
- Never place hot pots or pans on the hob's control panel. This could result in damage.



Recommended pan base diameters

XL Ø 30 cm	Ø 14 cm → 30 cm	XL Ø 28 cm	Ø 18 cm Ø 14 cm (Dual zone) → 28 cm
L Ø 24 cm	Ø 17 cm → 24 cm	L Ø 21 cm	Ø 15 cm → 21 cm
M Ø 18 cm	Ø 14 cm → 18 cm	S Ø 14,5 cm	Ø 11 cm → 14,5 cm

IMPORTANT: Refer to the "SENSOR" section for correct pan base diameters for cooking zones with SENSOR function.

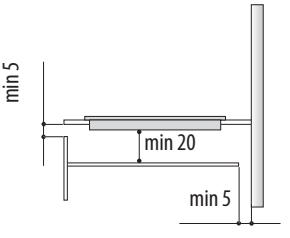
Installation

After unpacking the hob, check that there has been no damage during transport. If in doubt, contact the dealer or After-sales Service.

PREPARING THE HOUSING UNIT

⚠ **WARNING**

- **Install a separator panel under the hob.**
- **The lower part of the product must not be accessible after installation.**
- **If there is an oven beneath the hob, do not install the separator panel.**



- For the distance between the underside of the appliance and the separator panel below, observe the dimensions given in the diagram.
- Do not obstruct the minimum required clearance between the hob and the top of the unit to ensure the correct operation of the product.
- Cut the worktop to fit before installing the hob and carefully remove any shavings or sawdust.

Electrical connection

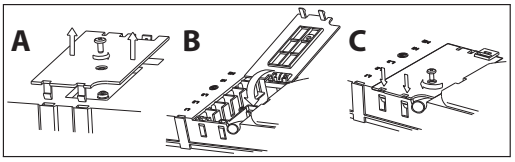
⚠ **WARNING**

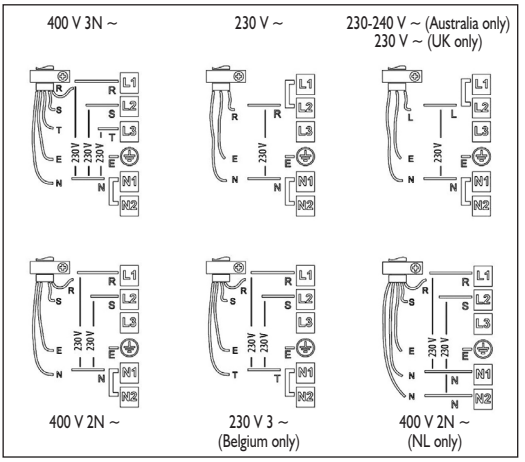
- **Disconnect the appliance from the mains power supply.**
- **Installation must be carried out by a qualified electrician who is fully aware of current safety and installation regulations.**
- **The manufacturer declines all liability for injury to persons or animals and for damage to property resulting from failure to observe the regulations provided in this chapter.**
- **The power supply cables must be long enough to allow the hob to be removed from the worktop.**
- **Make sure the voltage specified on the appliance rating plate is the same as that of the house electrical system.**
- **Do not use extension leads.**

Connecting to the terminal board

For electrical connection, use two H05RR-F type cables (to be connected to the two terminal boards) as indicated in the table below.

Conductors	**Amount x size**
230 V ~ + ⏚	3 x 4 mm²
230-240 V ~ + ⏚	3 x 4 mm² (Australia only)
230 V 3 ~ + ⏚	4 x 1,5 mm²
400 V 3N ~ + ⏚	5 x 1,5 mm²
400 V 2N ~ + ⏚	4 x 1,5 mm²





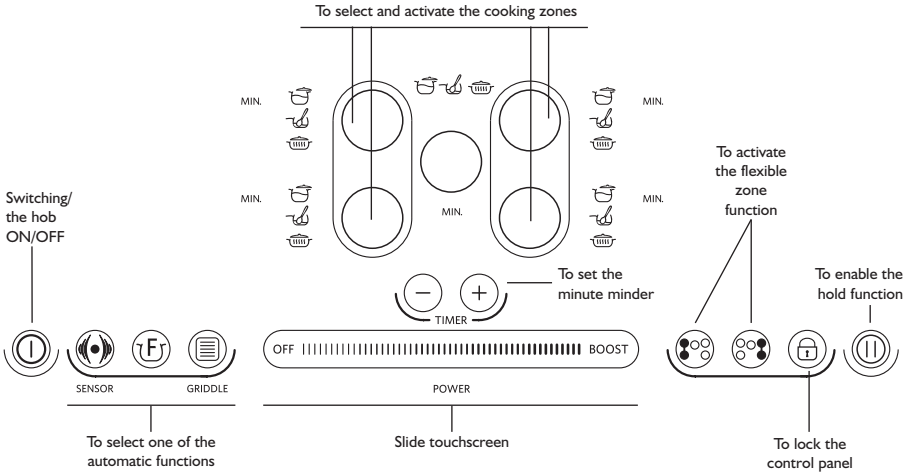
Connect the yellow/green earth wire to the terminal with the symbol ⏚.
This wire must be longer than the other wires.

1. Remove the terminal block cover (**A**), undoing the screw and inserting the cover in the terminal block hinge (**B**).
2. Strip approx. 70 mm of sheath from the power supply cable.
3. Strip approx. 10 mm of sheath from the wires. Insert the power supply cable into the cable clamp and connect the wires to the terminal board as indicated in the diagram next to the terminal board itself.
4. Secure the power cable with the cable clamp.
5. Close the cover (**C**) and screw it on the terminal block with the removed screw - point (**1**).

Repeat the same procedure for the second terminal board
Each time the cooktop is connected to the mains it carries out an automatic check which lasts several seconds.
If the hob already has a power cable, follow the instructions given on the label attached to the cable.
Connect the appliance to the electricity supply by means of an all-pole disconnect switch with minimum contact gap of 3 mm.

Instructions for use

Control Panel Description
The control panel is equipped with touch controls: to use them, just press the corresponding symbol (it is not necessary to press hard).

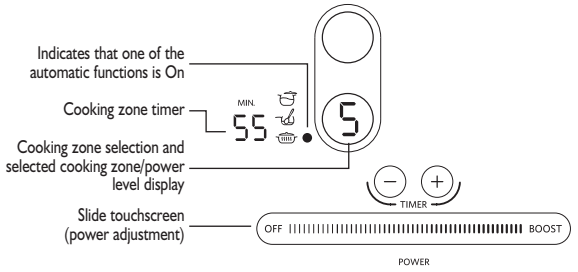


First use / after a power failure
After connecting the hob to the electrical power supply, the control panel is locked (the indicator light above the key is ON).
To unlock the control panel, press and hold the key for 3 seconds. The indicator light switches off and the hob can be used normally.

Switching the hob ON/OFF
To switch the hob on, press and hold the key for approx. 2 seconds: the indicator light above the key turns on and hyphens appear inside the cooking zone circles.
To switch off, press the same key until the hob switches off. All the cooking zones are switched off.

The hob automatically switches off if no function is selected within 10 seconds of switching on.

Switching on and adjusting cooking zones



After switching on the hob, position the pot on the chosen cooking zone.
Activate the cooking zone by pressing the relative round key: the round key displays number 5 that corresponds to the intermediate power level.

Instructions for use

If you are using a pot that is not suitable, not correctly positioned or not of the correct dimensions for your induction hob, the message "no pot" will appear in the display (see figure on the left). If no pot is detected within 60 seconds, the hob switches off.

To change the power level, move your finger horizontally on the slide touchscreen: the number inside the circle will change with just a quick slide of the finger from a minimum of 1 to a maximum of 9. You can activate the booster function by pressing "BOOST" on the slide touchscreen ("P" on the display). If more than one cooking zone is on, the slide touchscreen allows you to change the power level of the selected zone, indicated by the presence of a luminous dot at the bottom right of the power level indicator. To select a zone, simply press the relative round key.

Switching off cooking zones
Select the cooking zone to be switched off by pressing the relative round key (a dot lights up at the bottom right of the power level indicator). Press OFF on the slide touchscreen.

The cooking zone switches off and, if the zone is still hot, the letter "H" appears in the circle.
"H" is the residual heat indicator. The hob is fitted with a residual heat indicator for each cooking zone; these indicators alert the user when cooking zones are still hot. When the cooking zone cools down, the display switches off.

Timer selection
The timer can be used to set a max. cooking time of 99 minutes.
Select the cooking zone to be used with the timer (a dot lights up at the bottom right of the power level indicator), then set the required cooking time using the + and - keys of the timer function: the time in minutes is shown next to the cooking zone display.
A few seconds after the key is pressed, the timer begins the countdown (the luminous dot of the selected cooking zone starts flashing).
Once the set time has elapsed, an acoustic signal sounds and the cooking zone switches off automatically.
For the timer associated with the SENSOR function, refer to the description of the function on the following pages.

Control panel lock
This function locks the hob controls to prevent accidental switching on (e.g. during cleaning).
Press the key for three seconds : an acoustic signal sounds and an indicator light turns on above the lock symbol to confirm activation. The control panel is locked with the exception of the OFF function. To unlock the controls, repeat the child safety activation procedure. The illuminated dot switches off and the hob is active again.
IMPORTANT: The presence of water, liquid spilled from pots or objects of any nature resting on the key below the symbol can accidentally activate or deactivate the Control panel lock function.

Hold
This function allows you to temporarily hold and then resume cooking processes maintaining previous settings (except for SENSOR function and timer setting). Press the key: blinks on the display in place of the power levels.
To resume cooking, press the key again.

Flexible Zone
This function allows you to use two cooking zones as an extra-large single zone. It is perfect for oval, rectangular and elongated pans (with maximum base dimensions of 40x18 cm). After switching on the hob, press the key : the two cooking zone displays show level "5"; both dots next to the level number are alight, indicating selection as a single cooking zone. To change the power level, slide your finger on the touchscreen: the number inside the circle will change with just a quick slide of the finger from a minimum

of 1 to a maximum of 9. To deactivate the flexible zone function, press the key : the plates resume operation as two separate cooking zones. To switch off the cooking zone, press OFF.

The booster power level and SENSOR function cannot be used in conjunction with the flexible zone function. If you use the timer, the time will appear next to the display of the highest plate.

Description of automatic functions

The hob features automatic functions for each cooking zone. The symbols of the available functions are shown next to the selection key of each cooking zone. Every time an automatic function is selected, an indicator light turns on next to the symbol and the letter "A" appears in the cooking zone display.

SENSOR

The SENSOR function automatically selects the ideal power level to bring water to the boil and signals boiling point.
After positioning the pot containing water on the zone displaying the word SENSOR, switch on the hob and select the zone. Press the key : "A" appears on the display and the indicator light turns on. An animation is displayed in the space next to the zone as it heats up.

To ensure correct operation of the SENSOR function, we recommend that you:
- use water only (at ambient temperature);
- do not add salt, ingredients or seasoning (until boiling point);
- do not change the zone's power level, remove or move the pot;
- use pots and pans with base diameter between 17 and 19 cm;
- fill the pot at least 1/3 full (at least 1 litre of water) but never up to the brim; (max 5 litres).
- do not use pressure cookers.

For optimum results, please also observe the following advice:
- do not put the lid on the pot that is being used with the SENSOR function;
- do not activate the SENSOR function if the zone is still hot (letter "H" on the display).

When the boiling point is reached, the hob emits an acoustic signal. The acoustic signal sounds three times at regular intervals. After the second signal, a minute counter automatically begins counting the boiling time. After the third signal, the hob automatically selects a lower power level suitable for maintaining the boil. From this moment you can add the ingredients, set the timer or change the power level.
Changing the power level or activating the hold function, the SENSOR function is deactivated.
- The hob manages the SENSOR function and booster levels autonomously, therefore, in some cases, it may not be possible to activate the booster with the SENSOR function already in use;
- the quality of the cookware may affect the performance of the SENSOR function.

Multifunction key

This key allows you to select the simmering, melting or keep warm function with a specific cooking zone. After selecting the zone, press the key; the indicator light near the special function symbols next to each cooking zone indicates the automatic function selected. Press the key repeatedly to set the required function.

Instructions for use

Simmering
The simmering function automatically sets the selected cooking zone to a minimum boiling power. After positioning the pot, switch on the hob and select the chosen cooking zone. Press the F key to select the function.
To deactivate the function, simply press OFF on the slide touchscreen.

Melting
This function maintains a permanently low temperature in the cooking zone. After positioning the pot/accessory on the chosen cooking zone, switch on the hob and select the cooking zone. Press the F key repeatedly to select the function. To deactivate the function, simply press OFF on the slide touchscreen.

Keep Warm
Identifies a power level that is suitable for keeping meals warm. After positioning the pot/accessory on the chosen cooking zone, switch on the hob and select the cooking zone. Press the F key repeatedly to select the function. To deactivate the function, simply press OFF on the slide touchscreen.

GRIDDLE
This function allows you to grill various types of food using the specific accessory.

ⓘ Only use the accessory supplied.
The use of any other accessory may compromise the performance of the function.
Position the accessory on the cooking zone displaying the word "GRIDDLE". Press the key, an indicator light turns on above the key and the letter "A" appears simultaneously on the display.
An animation is displayed in the space next to the zone as it heats up. When the ideal temperature is reached, the hob emits an acoustic signal. After the acoustic signal, you can start grilling.

ⓘ When the GRIDDLE function is in use, the "flexible zone" and "booster" functions cannot be activated on the same cooking zone.

Cleaning

⚠ **WARNING**

- **Never use steam cleaners.**
- **Before cleaning, make sure the cooking zones are switched off and that the residual heat indicator ("H") is not displayed.**

IMPORTANT: do not use abrasive sponges or pan scourers. as they could ruin the glass surface.

- Clean the hob, when it is cool, after each use in order to remove any food residues.
- Sugar and foods with a high sugar content damage the glass ceramic surface and must be immediately removed.
- Salt, sugar and sand can scratch the glass surface.
- Use a soft cloth, absorbent kitchen wipes or a specific hob cleaner (follow the Manufacturer's instructions).

Troubleshooting guide

- Read and follow the instructions given in the section "Instructions for use".
- Connect the hob to the electricity supply and check that the supply has not been shut off.
- Clean the hob and dry it thoroughly.
- If you are unable to turn the hob off after using it, disconnect it from the power supply.
- If, when the hob is switched on, alphanumeric codes appear on the display, consult the following table for instructions.

ERROR CODE	DESCRIPTION	POSSIBLE CAUSES	REMEDY
The hob switches off and after 30 seconds emits an acoustic signal every 10 seconds.	Continuous pressure on control panel area.	Water or utensils on control panel.	Clean the control panel.
C81, C82, C83	The control panel switches off because of excessively high temperatures.	The internal temperature of electronic parts is too high.	Wait for the hob to cool down before using it again.
F42 or F43	The connection voltage is wrong.	The sensor detects a discrepancy between the appliance voltage and that of the mains supply.	Disconnect the hob from the mains and check the electrical connection.
F12, F21, F25, F36, F37, F40, F47, F56, F58, F60, F61, F62, F63, F64	Call the After-Sales Service and specify the error code.		

After-sales service

Before contacting After-sales Service
See if you can eliminate the problem on your own by referring to the "Troubleshooting guide".
Turn the hob off and on again to check if the problem has been eliminated.
If after the above checks the fault persists, contact the nearest After-sales Service.
Always specify:

- a short description of the fault;
- the type and exact model of the hob;
- the Service number (the number after the word Service on the rating plate) located under the appliance (on the metal plate). The Service number is also indicated on the warranty booklet;
- your full address;
- your telephone number and area code.

SERVICE 0000 000 00000

Attach here one of the two appliance data plate stickers found in the warranty booklet.

If any repairs are required, please contact an authorised **After-sales Service** (to guarantee that original spare parts will be used and repairs carried out correctly).

Power level table

Power level		Type of cooking	Level use (indicating cooking experience and habits)
Max. power	**Boost**	To heat quickly.	Ideal for rapidly increasing the temperature of food to fast boiling in the case of water or rapidly heating cooking liquids.
	8-9	To fry - boil	Ideal for browning, starting to cook, frying deep frozen products, fast boiling.
High power	**7-8**	To brown - sauté - boil - grill.	Ideal for sautéing, maintaining a lively boil, cooking and grilling (for a short period of time, 5-10 minutes).
	6-7	To brown - cook - stew sauté - grill	Ideal for sautéing, maintaining a light boil, cooking and grilling (for a medium period of time, 10-20 minutes), preheating.
	4-5	To cook - stew sauté - grill	Ideal for stewing, maintaining a gentle boil, cooking and grilling (for a long period of time).
Medium power	**3-4**	To cook - simmer - thicken - cream pasta	Ideal for long-cooking recipes (rice, sauces, roasts, fish) with liquids (e.g. water, wine, broth, milk), creaming pasta.
	2-3		Ideal for long-cooking recipes (quantities under 1 litre: rice, sauces, roasts, fish) with liquids (e.g. water, wine, broth, milk).
Low power	**1-2**	To melt - thaw	Ideal for softening butter, gently melting chocolate; thawing small products.
	1	To keep food warm To cream risotto	Ideal for keeping small portions of just-cooked food or serving dishes warm and for creaming risotto.
OFF	**Zero power**	Support surface	Hob in stand-by or off mode (possible end-of-cooking residual heat, indicated by an "H").

Functions table

Function		Description of automatic functions
	Simmering	Identifies a power level that is suitable for simmering long-cooking recipes. Suitable for cooking tomato sauce, ragu, soups, minestrone, maintaining a constant cooking level; ideal for cooking in a bain-marie (creams) and regenerating cooked food. Prevents food from boiling over or sticking to the bottom and burning, as often happens with these recipes.
	Melting	Identifies a power level that is suitable for slowly melting delicate products without compromising their sensorial quality (chocolate, butter, etc.).
	Keep warm	Identifies a power level that is suitable for keeping meals or serving dishes warm.
	Sensor	Automatically senses when the water reaches the boiling point and reduces the power to maintain the boil until the food is added. When the water reaches the boiling point, an acoustic signal indicates that you can add the desired ingredients (e.g. seasoning, pasta, rice, vegetables, meat and fish to be boiled), but also homemade preserves or accessories to be sterilised.
	Flexible zone	This function combines two cooking zones to offer an extra-large cooking surface for rectangular and oval containers or grilling pans. To grill large or many food items (fish, kebabs, vegetables, steaks, wurstels). To cook recipes with liquids or broth such as roulades and whole fish in casseroles/fish kettles/pans.
	Griddle	Designed to be used exclusively with the accessory supplied. This function automatically identifies a power level that is ideal for grilling various types of food. Wait until the function signals that the accessory is preheated, then place food on it. The accessory supplied provides uniform heat distribution that ensures perfect grilling of any type of food (meat, fish, vegetables); e.g. kebabs, steaks, hamburgers, slices of fish, wurstels, cheese, vegetables.

Cooking table

Food categories	Dishes or type of Cooking	Power level and cooking status			
		First stage	Power	Second stage	Power
Pasta, rice	Fresh pasta	Heating the water	Booster - 9	Cooking the pasta and maintaining the boil	7-8
	Dry pasta	Heating the water	Booster - 9	Cooking the pasta and maintaining the boil	7-8
	Boiled rice	Heating the water	Booster - 9	Cooking the rice and maintaining the boil	5-6
	Risotto	Sautéing and roasting	7-8	Maintaining the right cooking temperature	4-5
Vegetables Pulses	Boiled	Heating the water	Booster - 9	Cooking	6-7
	Fried	Heating the oil	9	Frying	8-9
	Sautéed	Heating the accessory	7-8	Cooking the food	6-7
	Stewed	Heating the accessory	7-8	Cooking and maintaining the temperature	3-4
	Browned	Heating the accessory	7-8	Browning the soffritto	7-8
Meat	Roast	Browning the meat with oil (if with butter power level 6)	7-8	Cooking	3-4
	Grilled	Preheating the grill	7-8	Grilling on both sides	7-8
	Browned	Browning with oil (if with butter power level 6)	7-8	Cooking	4-5
	Stewed	Browning with oil (if with butter power level 6)	7-8	Cooking and maintaining the temperature	3-4

Cooking table

Food categories	Dishes or type of Cooking	Power level and cooking status			
		First stage	Power	Second stage	Power
Fish	Grilled	Preheating the grill	7-8	Cooking on both sides	7-8
	Stewed	Browning with oil (if with butter power level 6)	7-8	Cooking and maintaining the temperature	3-4
	Fried	Heating the oil or fatty matter	8-9	Frying, browning	7-8
Eggs	Frittata	Heating the pan with butter or fatty matter	6	Cooking on both sides	6-7
	Omelettes	Heating the pan with butter or fatty matter	6	Cooking	5-6
	Soft/hard-boiled	Heating the water	Booster - 9	Cooking	5-6
	Pancakes	Heating the pan with butter	6	Cooking on both sides	6-7
Sauces	Tomato	Browning with oil (if with butter power level 6)	6-7	Cooking	3-4
	Ragu	Browning with oil (if with butter power level 6)	6-7	Cooking, mantaining a light boil	3-4
	Béchamel	Preparing the base (melt butter and add flour)	5-6	Bring to and maintain a light boil	3-4
Desserts Creams	Pastry cream	Bring the milk to the boil	4-5	Bring to the desired consistency	4-5
	Puddings	Bring the milk to the boil	4-5	Bring to the desired consistency	2-3
	Rice in milk	Heat the milk	5-6	Cooking	2-3

Whirlpool Europe S.r.l.
Viale G. Borghi, 27 - 21025 Comerio (VA)
Phone 0332.759111 - Fax 0332.759268
www.whirlpool.eu

Printed in Italy
07/09

5019 719 02083

GB